Welcome to STN International! Enter x:x

LOGINID: SSSPTA1623PAZ

PASSWORD:

NEWS WWW

TERMINAL (ENTER 1, 2, 3, OR ?):2

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CAS World Wide Web Site (general information)

FILE 'HOME' ENTERED AT 05:47:12 ON 03 MAY 2005

=> le reg

غر اللو) بادُ

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 05:47:22 ON 03 MAY 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 American Chemical Society (ACS)

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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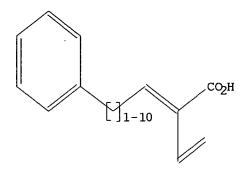
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> Uploading c:\documents and settings\pzucker\my documents\examination auxillary files\10025947\10025947 1st tryv5.3.2005

L1 STRUCTURE UPLOADED

=> d 11 L1 HAS NO ANSWERS L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 11 sss sam .

SAMPLE SEARCH INITIATED 05:47:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 60 TO ITERATE

100.0% PROCESSED 60 ITERATIONS SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS:

736 TO 1664

PROJECTED ANSWERS:

2 TO 124

L2 2 SEA SSS SAM L1

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Glutaconic acid, 4-cinnamylidene-3-methyl- (7CI)

MF C15 H14 O4

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 2 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2-Butenedioic acid, 2,3-bis[2-hydroxy-2-[5-methyl-2-

(methylthio)phenyl]ethenyl]- (9CI)

MF C24 H24 O6 S2

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

# ALL ANSWERS HAVE BEEN SCANNED

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10025947\10025947 RCE 1st try Hfixed522005.str

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3

Structure attributes must be viewed using STN Express query preparation.

=> search 13 sss sam SAMPLE SEARCH INITIATED 05:50:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -60 TO ITERATE

100.0% PROCESSED 60 ITERATIONS SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

> \*\*COMPLETE\*\* BATCH

PROJECTED ITERATIONS: 736 TO

PROJECTED ANSWERS: 0 TO

L40 SEA SSS SAM L3

=> search 13 sss fulk1 COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> search 13 sss full FULL SEARCH INITIATED 05:50:30 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 1410 TO ITERATE

100.0% PROCESSED 1410 ITERATIONS SEARCH TIME: 00.00.01

3 ANSWERS

L5

3 SEA SSS FUL L3

=> d scan

L5 3 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 4-(3,4-dihydroxyphenyl)-2-[2-(3,4-dihydroxyphenyl)ethenyl]- (9CI)
MF C18 H16 O6

$$CH = CH - CH - CH_2$$

HO

OH

OH

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L5 3 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 3,4-bis(acetyloxy)-2-[2-[3,4-bis(acetyloxy)phenyl]ethenyl]- (9CI)
MF C26 H24 O10

AcO 
$$CO_2H$$
  $CH$   $CH$   $CH$   $CH$   $CH$   $CH$ 

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L5 3 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenoic acid, 2-(2,2-diphenylvinyl)-5-phenyl- (7CI)
MF C25 H22 O2

$$CO_2H$$
|
Ph2C == CH- C== CH- CH2- CH2- Ph

# \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

# ALL ANSWERS HAVE BEEN SCANNED

=> d cost		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
CONNECT CHARGES	3.33	3.48
NETWORK CHARGES	0.54	0.60
SEARCH CHARGES	160.90	160.90
FULL ESTIMATED COST	164.77	164.98

IN FILE 'REGISTRY' AT 05:52:51 ON 03 MAY 2005

SINCE FILE	TOTAL
ENTRY	SESSION
165.20	165.41
	ENTRY

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 05:53:04 ON 03 MAY 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

COST IN U.S. DOLLARS

1

# PASSWORD:

E5

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \* \* \* SESSION RESUMED IN FILE 'REGISTRY' AT 06:07:57 ON 03 MAY 2005 FILE 'REGISTRY' ENTERED AT 06:07:57 ON 03 MAY 2005 COPYRIGHT (C) 2005 American Chemical Society (ACS)

			ENTRY	SESSION
FULL ESTIMATE	ED COST	Γ	165.20	165.41
=> e 2,4-Pent	adien	oic acid, 2,3,4,5-tetra	chloro-5-(phenylthio)	-, (?,Z)-/cn
E1	1	2,4-PENTADIENOIC ACID,	2,3,4,5-TETRACHLORO-	-5-(4-METHYLPHENYL
		)-, METHYL ESTER/CN		
E2	1	2,4-PENTADIENOIC ACID,	2,3,4,5-TETRACHLORO-	-5-(CYCLOHEXYLTHIO
		)-, (?,Z)-/CN		
E3	1>	2,4-PENTADIENOIC ACID,	2,3,4,5-TETRACHLORO-	-5-(PHENYLTHIO)-,
		(?,Z)-/CN		
E4	1	2,4-PENTADIENOIC ACID,	2,3,4,5-TETRACHLORO-	-5-(PROPYLTHIO)-,
		(?,Z)-/CN		

SINCE FILE

2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-CYCLOHEXYL-/CN

ENTERV

TOTAL

CECCTON

```
2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-HYDROXY-, .DELT
E6
             1
                   A.-LACTONE/CN
E7
                   2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-HYDROXY-, LACTO
             1
                   NE/CN
E8
             1
                   2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-METHOXY-/CN
E9
             1
                   2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-/CN
E10
             1
                   2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-, (E,Z)-
                   /CN
E11
             1
                   2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-, (Z,E)-
                   /CN
E12
             1
                   2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-, (Z,Z)-
                   /CN
=> e3
L6
             1 "2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(PHENYLTHIO)-,
               (?,Z)-"/CN
=> d 16
L6
     ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
     65910-67-0 REGISTRY
RN
     Entered STN: 16 Nov 1984
ED
CN
     2,4-Pentadienoic acid, 2,3,4,5-tetrachloro-5-(phenylthio)-, (?,Z)-
     (9CI)
           (CA INDEX NAME)
FS
     STEREOSEARCH
MF
     C11 H6 C14 O2 S
LC
     STN Files:
                  BEILSTEIN*, CA, CAPLUS
         (*File contains numerically searchable property data)
```

Double bond geometry as described by E or Z.

# \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
172.07
172.28

FILE 'CAPLUS' ENTERED AT 06:08:43 ON 03 MAY 2005
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=> 16

L7 1 L6

=> d 17 ti fbib abs

L7 ANSWER 1 OF 1 CAPLUS. COPYRIGHT 2005 ACS on STN

TI Rearrangements of vinylogous acyl chlorides, XX. 1,5-Oxygen transfer of (Z)-perchloro-2,4-pentadienethioates

AN 1978:120366 CAPLUS

DN 88:120366

TI Rearrangements of vinylogous acyl chlorides, XX. 1,5-Oxygen transfer of (Z)-perchloro-2,4-pentadienethioates

AU Roedig, Alfred; Fleischmann, Klaus; Frank, Fritz; Rettenberger, Reinhard

CS Inst. Org. Chem., Univ. Wuerzburg, Wuerzburg, Fed. Rep. Ger.

SO Justus Liebigs Annalen der Chemie (1977), (11-12), 2091-105 CODEN: JLACBF; ISSN: 0075-4617

DT Journal

LA German

GΙ

AB Pentadienethioates (I; R = Me, Et, Ph, etc.) rearrange thermally via the pyran intermediates, II and III, to yield 5-thiosubstituted acyl chlorides (IV; R as above). An equilibrium mixture I-IV is formed with a preponderance of

IV.

=> file reg
COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST	ENTRY 4.90	SESSION 177.18
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

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=> e e1	,		
E1 /	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(4-METHYLPHE)-, (E,Z)-/CN	NYL
` <b>n</b> o	1		ATSET
E2	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(4-METHYLPHE)-, (Z,Z)-/CN	ИІГ
E3	1>	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(4-METHYLPHE	NYL
		)-, METHYL ESTER/CN	
E4	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(CYCLOHEXYLT	HIO
		)-, (?,Z)-/CN	
E5	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(PHENYLTHIO)	-,
•		(?,Z)-/CN	
E6	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(PROPYLTHIO)	-,
		(?,Z)-/CN	•
E7	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-CYCLOHEXYL-/	CN
E8	1 .	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-HYDROXY-, .D	
		ALACTONE/CN	
E9	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-HYDROXY-, LA	CTO.
		NE/CN	
E10	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-METHOXY-/CN	
E11	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-/CN	
E12	1	2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-, (E,	Z)-
	_	zy i i biti biblioto i ciby zy oy i y o i biti combono o i menti zy (zy	٠,

=> e1

L8 1 "2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-(4-METHYLPHENYL)-,
(E,Z)-"/CN

=> d 18

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 52778-62-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 2,4-Pentadienoic acid, 2,3,4,5-tetrachloro-5-(4-methylphenyl)-, (E,Z)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C12 H8 C14 O2

LC STN Files: BEILSTEIN\*, CA, CAPLUS

(\*File contains numerically searchable property data)

Double bond geometry as shown.

#### \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus COST IN U.S. DOLLARS SINCE FILE TOTAL **ENTRY** SESSION FULL ESTIMATED COST 7.30 184.48 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL **ENTRY** SESSION CA SUBSCRIBER PRICE 0.00 -0.73

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=> 18

L9 1 L8

=> d 19 ti fbib abs

- L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Rearrangements of vinylogous carbonyl chlorides. XI. Synthesis and thermal rearrangement of cis-pentachloropentadienones into tetrachlorobutadienecarbonyl chlorides
- AN 1974:463288 CAPLUS
- DN 81:63288
- TI Rearrangements of vinylogous carbonyl chlorides. XI. Synthesis and thermal rearrangement of cis-pentachloropentadienones into tetrachlorobutadienecarbonyl chlorides
- AU Roedig, Alfred; Frank, Fritz; Roebke, Gerhard
- CS Inst. Org. Chem., Univ. Wuerzburg, Wuerzburg, Fed. Rep. Ger.
- SO Justus Liebigs Annalen der Chemie (1974), (4), 630-43 CODEN: JLACBF; ISSN: 0075-4617
- DT Journal
- LA German
- GI For diagram(s), see printed CA Issue.
- AB In order to determine the influence of substituents bonded at the carbonyl group of perchlorinated cis-pentadienones on the rate of 1,5-oxygen transfer the ketones Cl(ClC:CCl)2COR (I) were prepared I (R = Me, Et, Pr, CHMe2, cyclohexyl, or 1-Cl0H7) were prepared by Grignard reaction of I (R = H) with RX (X = Cl or Br), followed by dehydrogenation of the resulting Cl(ClC:CCl)2CHROH. I (R = 2,4,6-Me3C6H2, 4-ClC6H4, or 4-Me2NC6H4) were prepared by Friedel-Crafts reaction of RH with I (R = Cl). I (R = 4-MeC6H4) was prepared by both methods. The thermal rearrangement of I into R(ClC:CCl)2COCl was demonstrated by conversion of R(ClC:CCl)2CO2H and of the starting ketones I into the same pyrones II. The reaction kinetics were studied by ir spectrophotometric methods and activation parameters were determined The results are in accord with formation of 2H-pyran in the 1st reaction step, which is generally activated by electron-donating and deactivated by electron-attracting substituents at the carbonyl group.

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.55	188.03
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-1.46

FILE 'REGISTRY' ENTERED AT 06:13:46 ON 03 MAY 2005
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end for the

STRUCTURE FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0 DICTIONARY FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> e L10

1 "2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-HYDROXY-, LACTONE" /CN

=> d 110

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 10269-62-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2H-Pyran-2-one, 3,4,5,6-tetrachloro- (8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2,4-Pentadienoic acid, 2,3,4,5-tetrachloro-5-hydroxy-, δ-lactone
(7CI)
CN 2,4-Pentadienoic acid, 2,3,4,5-tetrachloro-5-hydroxy-, lactone
(6CI)
OTHER NAMES:

CN NSC 41928

CN Perchloro-2-pyrone

CN Perchlorocoumalin

CN Tetrachloro- $\alpha$ -pyrone

FS 3D CONCORD

MF C5 C14 O2

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB, TOXCENTER

(\*File contains numerically searchable property data)

# \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

22 REFERENCES IN FILE CA (1907 TO DATE)

22 REFERENCES IN FILE CAPLUS (1907 TO DATE)

4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e11

L11

1 "2,4-PENTADIENOIC ACID, 2,3,4,5-TETRACHLORO-5-PHENYL-"/CN

=> d 111

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

93002-18-7 REGISTRY

Entered STN: 18 Dec 1984

CN 2,4-Pentadienoic acid, 2,3,4,5-tetrachloro-5-phenyl- (7CI) (CA INDEX NAME)

3D CONCORD FS

MF C11 H6 C14 O2

LC

STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS (\*File contains numerically searchable property data)

# \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> logoff hold

COST IN U.S. DOLLARS SINCE FILE TOTAL SESSION ENTRY FULL ESTIMATED COST 14.17 202.20 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE 0.00 -1.46

SESSION WILL BE HELD FOR 60 MINUTES STN INTERNATIONAL SESSION SUSPENDED AT 06:15:20 ON 03 MAY 2005